

Material Safety Data Sheet

Section 1 – Chemical Product		
Product Name:	Lithium Ion Battery	
Manufacture:	Axiss Technology Corp.	
Address:	8F-1, 96, Long An Street, Taoyuan 33057, Taiwan.	
Model:	C-036-002470SAB	
Nominal Voltage	3.6V	
Rated Capacity	2470mAh, 8.89Wh	
Emergency Tel:	+886-3-369-8818	
MSDS No.:	M20200703-01	

Section 2 – Hazards Identification		
Classification of	See section 14	
Danger		
Primary Route(s) of	Eye, skin contact, ingestion	
Exposure		
Health Hazard	The batteries are not hazardous when used according to the	
	instructions of manufacturer under normal conditions. In case of	
	abuse, there's risk of rupture, fire, heat, leakage of internal	
	components, with could cause casualty loss. Abuses include but not	
	limited to the following cases: charged for long time, short circuited,	
	put into fire, whacked with hard object, punctured with acute object,	
	crushed, and broken.	

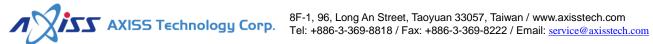
Section 3 – Composition / Information on Ingredients		
Chemical Name	Concentration or	CAS Number
	concentration ranges (%)	
Lithium Cobalt Oxide	15-40	12190-79-3
Graphite	10-30	7782-42-5
Phosphate(1-), hexafluoro-, lithium	10-30	21324-40-3
Copper	7-13	7440-50-8
Aluminum foil	5-10	7429-90-5
Nickel	1-5	7440-02-0

Labeling according to EC directives.

No symbol and risk phrase are required.

Note: CAS number is Chemical Abstract Service Registry Number.

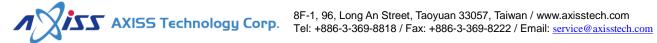
N/A=Not apply.



Section 4 – First Aid Measures	
Eye	Flush eyes with plenty of water for at least 15 minutes, occasionally
	lifting the upper and lower eyelids. Get medical aid.
Skin	Remove contaminated clothes and rinse skin with plenty of water or
	shower for 15 minutes. Get medical aid.
Inhalation	Remove from exposure and move to fresh air immediately. Use
	oxygen if available.
Ingestion	Give at least 2 glasses of milk or water. Induce vomiting unless
	patient is unconscious. Call a physician.

Section 5 – Fire Fighting Measures		
Characteristics of	Dusts at sufficient concentrations can form explosive mixtures with	
Hazard	air. Combustion generates toxic fumes.	
Hazardous Combustion	Carbon dioxide.	
Products		
Fire-extinguishing	For small fires, use water spray, dry chemical, carbon dioxide or	
Methods and	chemical foam.	
Extinguishing Media		
Attention in Fire-	Wear self-contained breathing apparatus in pressure-demand,	
extinguishing	MAHA/NIOSH (approved or equivalent) and full protective gear.	

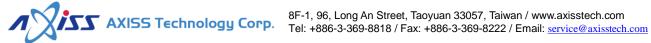
Section 6 – Accidental Release Measures	
Personal Precautions,	In case of rupture. Attention! Corrosive material. Avoid contact with
protective equipment,	skin, eyes and clothing. Ensure adequate ventilation. Use
and emergency	personal protective equipment as required. Evacuate personnel to
procedures	safe areas. Keep people away from and upwind of spill/leak. Refer
	to protective measures listed in Section 7 and 8.
Environmental	Prevent product from contaminating soil and from entering sewers
Precautions	or waterways.
Methods and materials	Stop the leak if safe to do so. Contain the spilled liquid with dry
for Containment	sand or earth. Clean up spills immediately.
Methods and materials	Absorb spilled material with an inert absorbent (dry sand or earth).
for cleaning up	Scoop contaminated absorbent into an acceptable waste
	container. Collect all contaminated absorbent and dispose of
	according to directions in Section 13. Scrub the area with
	detergent and water; collect all contaminated wash water for
	proper disposal.



Section 7 – Handling and Storage	
Handling	In case of rupture. Handle in accordance with good industrial
	hygiene and safety practice. Avoid contact with skin, eyes or
	clothing. Use personal protection equipment.
Storage	Store in a cool, dry, well-ventilated area away from incompatible
	substances. Store locked up. Keep out of the reach of children.
Other Precautions	The battery may explode or cause burns, if disassembled, crushed
	or exposed to fire or high temperatures. Do not short or install with
	incorrect polarity.

Section 8 – Exposure Controls / Personal Protection	
Engineering Controls	Use adequate ventilation to keep airborne concentrations low. If
	used under conditions that generate particulates, the ACGIH TLV-
	TWA of 3mg/m respirable fraction (10mg/m total) should be
	observed.
Personal Protective	Eye and Face Protection: None required for consumer use. If
Equipment	there is a risk of contact: Tight sealing safety goggles. Face
	protection shield.
	Skin and Body Protection: None required for consumer use. If
	there is a risk of contact: Wear protective gloves and protective
	clothing.
	Respiratory Protection: No protective equipment is needed under
	normal use conditions. If exposure limits are exceeded or irritation
	is experienced, ventilation and evacuation may be required.

Section 9 – Physical and Chemical Properties		
Physical State	Appearance: Prismatic	
	Color: Silvery	
	Odour: If leaking, smells of medical ether.	
Change in condition		
рН	Not applicable as supplied.	
Flash Point	Not applicable unless individual components exposed.	
Flammability	Not applicable unless individual components exposed.	
Relative density	Not applicable unless individual components exposed.	
Solubility (water)	Not applicable unless individual components exposed.	
Solubility (other)	Not applicable unless individual components exposed.	

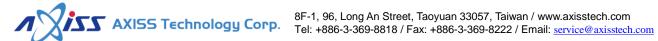


Section 10 – Stability and Reactivity		
Chemical Stability	Stable under recommended storage conditions.	
Possibility of Hazardous	None under normal processing.	
Reactions		
Conditions to Avoid	Exposure to air or moisture over prolonged periods.	
Incompatible materials	Acids, Oxidizing agents, Bases.	
Hazardous Decomposition	Carbon oxides.	
Products		

Section 11 – Toxicological Information	
Irritation	In the event of exposure to internal contents, vapour fumes may
	be very irritating to the eyes and skin.
Sensitization	Not Available.
Reproductive Toxicity	Not Available.
Toxicologically	Not Available.
Synergistic Materials	

Section 12 – Ecological Information	
General note:	Do not allow undiluted product or large quantities of it to reach
	ground water, water course or sewage system.
Anticipated behavior of a	Not Available
chemical product in	
environment/possible	
environmental impact/	
ecotoxicity	

Section 13 – Disposal Considerations	
Waste Treatment	Recycle or dispose of in accordance with government, slat & local regulations.
Attention for Waste	Deserted batteries couldn't be treated as ordinary trash. Couldn't
Treatment	be thrown into fire or placed in high temperature. Couldn't be
	dissected, pierced, crushed or treated similarly. Best way is
	recycling.



Section 14 – Transport Information		
UN number	UN3480 & UN3481	
Proper shipping name	Lithium ion Batteries (limited to a maximum of 30% SoC)	
	or; Lithium ion Batteries packed with equipment	
	(Including lithium ion polymer batteries) or Lithium ion	
	Batteries contained in equipments (Including lithium ion	
	polymer batteries)	
Class or division	9	
Marine pollutant (Yes/No)	No	
Label(s) / Placard Required	Miscellaneous Lithium batt.	
Special precautions which a user n	eeds to be aware of, or needs to comply with, in	
connection with transport or convey	ance either within or outside their premises.	
ICAO/ IATA:	Can be shipped by air in accordance with International	
	Civil Aviation Organization (ICAO). TI or International Air	
	Transport Association (IATA), DGR Packing Instructions	
	(PI) 965 Section II/ Section IB, PI966 Section II and	
	PI967 Section II appropriate of IATA DGR 61 th (2020	
	Edition) for transportation.	
IMDG CODE:	The batteries are not restricted to IMDG Code 2018	
	Edition (Amdt 39-18) according to special provision 188.	
DOT:	Other requirements for the US Department of	
	Transportation (DOT) Subchapter C, Hazardous	
	Materials Regulations if shipped in compliance with 49	
	CFR 173.185.	
ADR/ AND:	The batteries are not subject to the provisions of United	
	Nations Economic Commission for Europe (UNECE)	
	ADR/ADN if they meet the requirements of special	
	provision 188 of Chapter 3.3. Applicable as from 1	
	January 2017.	
In addition, to be permitted in trans	port each lithium cell and battery types must have passed	
the applicable tests set out in Subs	ection 38.3 of the UN Manual of Tests and Criteria.	



Section 15 – Regulatory Information

- 《Dangerous Goods regulations》
- «Recommendations on the Transport of Dangerous Goods-Model Regulations (20th revised edition)
- 《Recommendations on the Transport of Dangerous Goods-Manual of Tests and Criteria》
- 《International Air Transport Association (IATA)》
- 《International Maritime Dangerous Goods (IMDG Code 2018 Edition Amdt 39-18)》
- 《Technical Instructions for the Safe Transport of Dangerous Goods》
- 《Classification and code of dangerous goods (GB 6944-2012)》
- 《2012 OSHA Hazard Communication Standard (29 CFR 1910.1200)》
- 《Toxic Substance Control Act (TSCA)》
- 《Code of Federal Regulations》

In accordance with all Federal, State and local lows

Section 16 – Additional Information

The information above is believed to be accurate and represents the best information currently available to us. However, we makes no warranty of merchantability or any other warranty, express or implied, with respect to such information, and we assume no liability resulting from its use. Users should make their own investigations to determine the suitability of the information for their particular purposes. Although reasonable precautions have been taken in the preparation of the data contained herein, it is offered solely for your information, consideration and investigation. This material safety data sheet provides guidelines for the safe handling and use of this product; it does not and cannot advise on all possible situations, therefore, your specific use of this product should be evaluated to determine if additional precautions are required.

The data/information contained herein has been reviewed and approved for general release on the basis that this document contains no export controlled information

*****End of report*****